

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/709,010
	Filing Date	April 7, 2004
	First Named Inventor	Matthew J. Murray
	Group Art Unit	
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	U03-0134.65

ENCLOSURES (check all that apply)

- | | | |
|---|---|--|
| <input type="checkbox"/> Fee Transmittal Form
<input type="checkbox"/> Fee Attached

<input type="checkbox"/> Amendment / Reply
<input type="checkbox"/> After Final
<input type="checkbox"/> Affidavits/declaration(s)

<input type="checkbox"/> Extension of Time Request
<input type="checkbox"/> Express Abandonment Request
<input checked="" type="checkbox"/> Information Disclosure Statement
<input type="checkbox"/> Certified Copy of Priority Documents

<input type="checkbox"/> Response to Missing Parts/
Incomplete Application

<input type="checkbox"/> Response to Missing Parts
under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)
<input type="checkbox"/> Licensing-related Papers
<input type="checkbox"/> Petition
<input type="checkbox"/> Petition to Convert to a
Provisional Application
<input type="checkbox"/> Power of Attorney, Revocation
Change of Correspondence
Address
<input type="checkbox"/> Terminal Disclaimer
<input type="checkbox"/> Request for Refund
<input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance Communication
to Group
<input type="checkbox"/> Appeal Communication to Board
of Appeals and Interferences
<input type="checkbox"/> Appeal Communication to Group
(<i>Appeal Notice, Brief, Reply Brief</i>)
<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Other Enclosure(s) (please
identify below):
*Acknowledgement Postcard
*11 Non-Patent References |
|---|---|--|

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

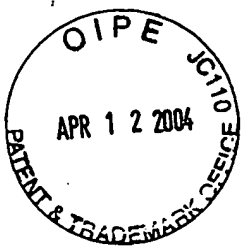
Firm or Individual Name	MATTHEW W. WITSIL (REG NO. 47,183) MOORE & VAN ALLEN
Signature	
Date	APRIL 8, 2004

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Katie M. Efland		
Signature		Date	April 8, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Matthew J. Murray

Group Art Unit: Not Assigned

Serial Number: 10/709,010

Examiner: Not Assigned

Filed: April 7, 2004

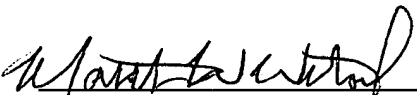
For: Transducer Assembly and Loudspeaker Including Rheological Material

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.56 AND 37 C.F.R. § 1.97**

It is respectfully requested that the document listed on the attached Form PTO/SB/08A be considered by the Patent and Trademark Office in the above-referenced application and made of record therein. A full text copy of the non-patent literature documents are enclosed. This information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last.

Respectfully submitted,

By: 

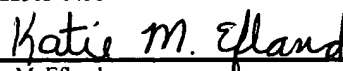
Matthew W. Witsil
Registration No. 47,183
Attorney for Applicant
Moore & Van Allen, PLLC
2200 West Main Street, Suite 800
Durham, NC 27705
Phone: 919-286-8000
Facsimile: 919-286-8199

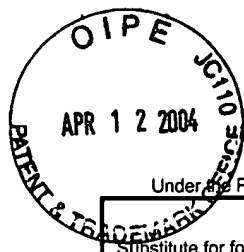
April 8, 2004

Date

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the US Postal Service as first class mail on April 7, 2004, in an envelope addressed to Commissioner of Patents, PO Box 1450, Alexandria, VA 22313-1450


Katie M. Efland



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known		
		Application Number	10/709,010	
		Filing Date	April 7, 2004	
		First Named Inventor	Matthew J. Murray	
		Art Unit		
		Examiner Name		
Sheet	1	of	Attorney Docket Number	U03-0134.65

U.S. PATENT DOCUMENTS						
Examiner Initials'	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
	A	US- 6,332,029		12/18/2001	Azima et al.	
	B	US- 6,192,136		02/20/2001	Azima et al.	
	C	US- 6,522,760		02/18/2003	Azima et al.	
	D	US- 6,151,402		11/21/2000	Azima et al.	
	E	US- 6,389,935		05/21/2002	Azima et al.	
	F	US- 6,606,390		08/12/2003	Azima	
	G	US- 2003/0059080 A1		03/27/2003	Backman	
	H	US- 6,434,237		08/13/2002	Murray	
	I	US- 2003/0059069 A1		03/27/2003	Bank et al.	
	J	US- 2002/0064290 A1		05/30/2002	Reynaga et al.	
	K	US- 2002/0193137 A1		12/19/2002	Bank et al.	
	L	US-6,353,733 B1		03/05/2002	Murray et al.	
	M	US-6,266,542 B1		07/24/2001	Stern et al.	
		US-				
		US-				
		US-				
		US-				

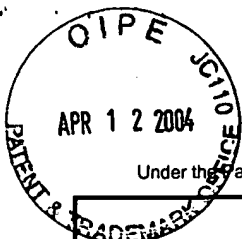
FOREIGN PATENT DOCUMENTS						
Examiner Initials'	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ –Number ⁴ –Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/709,010		
		Filing Date	April 7, 2004		
		First Named Inventor	Matthew J. Murray		
		Art Unit			
		Examiner Name			
Sheet	2	of		Attorney Docket Number	U03-0134.65

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	N	www.maxim-ic.com/appnotes.cfm/appnote.number/988/ln/en (visited 11/4/03); Maxim Website, Driving Audio Piezoelectric Transducers.	
	O	www.elac.com/en/products/imago/dml.html (visited 11/4/03)	
	P	www.murata-northamerica.com/murata/murata.nsf/pdf/addproducts/\$file/techbriefprezo042302.pdf(visited 11/4/03); MuRata's Piezoelectric Sound Components, by Shay Ashmon.	
	Q	www.murata.com/catalog/p15e6.pdf (Visited 11/4/03)	
	R	www.lordcorp.com (visited 11/03); Product Section	
	S	www.nxtplc.com (visited 10/29/03); Siemens Display Speaker Case Study	
	T	www.nxtplc.com (visited 10/29/03); NXT Distributed Mode Loudspeakers	
	U	www.nxtplc.com (visited 10/29/03); NXT's Sound Vu Technology	
	V	www.nxtplc.com (visited 11/6/03); DMA exciter case study	
	W	www.nxtplc.com (visited 11/6/03); The DMA exciter	
	X	www.dba-pr.com/clients/nxt-plc/releases/siemensphone.htm (visited 10/29/03); Major Milestone in Mobile Comms as Siemens Showcases Mobile Phone Using NXT Technology, by Franklyn Roth.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.